

[tumbleweed](#), [systemd](#), [howto](#), [nextclouddesktopclient](#), [suse](#), [nextcloud](#), [kde](#), [session](#)

Nextcloud Desktop as a user service with systemd

- <https://blog.victormendonca.com/2018/05/14/creating-a-simple-systemd-user-service/>
- https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html/configuring_and_managing_networking/systemd-network-targets-and-services_configuring-and-managing-networking
- <https://www.freedesktop.org/wiki/Software/systemd/NetworkTarget/>
- <https://www.freedesktop.org/software/systemd/man/systemd-networkd-wait-online.service.html>
- <https://www.freedesktop.org/software/systemd/man/systemd.special.html>
- <https://forum.qt.io/topic/93247/qt-qpa-plugin-could-not-load-the-qt-platform-plugin-xcb-in-even-though-it-was-found/9>
- <https://github.com/nextcloud/desktop/issues/728>
- <https://www.unixsysadmin.com/systemd-user-services/>
- <https://www.linuxquestions.org/questions/linux-desktop-74/start-gui-application-from-systemd-unit-service-4175591018/>
- <https://www.makeuseof.com/what-is-systemd-launch-programs-raspberry-pi/>
- <https://blog.svedr.in/posts/running-the-nextcloud-client-under-systemd/>

Since quite some time I am annoyed by the Nextcloud client starting before the internet connection becomes available. That leads to a situation in which the Nextcloud Desktop Client presents a browser window with a login mask because it assumes it is disconnected.

My approach will start and manage the Nextcloud Desktop Client as a systemd user service as soon as a network connection becomes ready.



This is working on openSUSE Tumbleweed with KDE as of 2021/10/13. On other operating systems your mileage may vary.

KDE Session Management, Autostart

- remove Nextcloud from autostart
- tick "start with an empty session" under "Desktop Session" in System Settings

Wait System Service

Check if the correct oneshot "wait" system service is enabled (NetworkManager in my case).

```
systemctl is-enabled NetworkManager-wait-online.service systemd-networkd-wait-online.service
```

```
enabled
```

```
Failed to get unit file state for systemd-networkd-wait-online.service: No such file or directory
```

Systemd User Service

```
# as user
mkdir -pv ~/.config/systemd/user/
vim ~/.config/systemd/user/nextcloud-desktop.service
```

```
[Unit]
Description=Nextcloud Desktop Client
After=network-online.target
Wants=network-online.target NetworkManager-wait-online.service
```

```
[Service]
Type=simple
StandardOutput=journal
ExecStart=/usr/bin/nextcloud
Restart=on-failure
RestartSec=5s
```

```
LimitNOFILE=65535:65535
```

```
[Install]  
WantedBy=default.target
```

enable the service

```
systemctl --user enable nextcloud-desktop.service
```

start the service

```
systemctl --user start nextcloud-desktop.service
```

check that the service is running

```
systemctl --user status nextcloud-desktop.service
```

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